



# State Water Resources Control Board Division of Drinking Water

March 9, 2018

Michael Martin, Vice President One Forty Eight East Water System P.O. Box 1390 Inyokern, CA 93527

RE: Failure to Collect Monthly Routine Bacteriological Sample in January 2018 One forty Eight East Water System, Water System No. 1503684

Citation No. 03\_19\_18C\_014

Dear Mr. Martin,

The State Water Resources Control Board (hereinafter State Board), Division of Drinking Water has issued Citation No. 03\_19\_18C\_014, for failure to comply with the provisions of the California Health & Safety Code and Title 22, California Code of Regulations. Specifically, the One Forty Eight East Water System (hereinafter "Water System") failed to collect one (1) routine bacteriological sample for January 2018. Please note that failure to comply with the directives of the citation will result in additional enforcement action by the State Board, including civil penalty.

The California Safe Drinking Water Act, Section 116577, provides for the State Board to be reimbursed by the public water system for costs incurred for preparing and issuing an enforcement action to that system. Therefore, the Water System has been billed for the preparation and issuance of this citation. The State Board's current billing rate for enforcement activities is \$167 per hour. The hourly rate is subject to review and change upon approval. You will receive a bill for these costs following the end of the State's fiscal year, from our Fee Billing Unit in Sacramento.

Any person who is aggrieved by a citation, order or decision issued by the Deputy Director of the Division of Drinking Water under Article 8 (commencing with Health and Safety Code, Section 116625) or Article 9 (commencing with Health and Safety Code, Section 116650), of the Safe Drinking Water Act (Chapter 4, Part 12, Division 104, of the Health and Safety Code) may file a petition with the State Water Board for reconsideration of the citation, order or decision. The enclosed Citation contains the relevant statutory provisions for filing a petition for reconsideration (Health and Safety Code, Section 116701).

Petitions must be received by the State Board within 30 days of the issuance of the citation, order or decision by the Deputy Director. The date of issuance is the date when the Division of Drinking Water mails a copy of the citation, order or decision. If the 30th day falls on a Saturday, Sunday, or state holiday, the petition is due the following business day. Petitions must be received by 5:00 p.m.

FELICIA MARCUS, CHAIR | EILEEN SOBECK, EXECUTIVE DIRECTOR

One Forty Eight East Water System – Bacteriological M&R Violation for January 2018 Page 2 March 9, 2018

Information regarding filing petitions may be found at:

# http://www.waterboards.ca.gov/drinking\_water/programs/petitions/index.shtml

If you have any questions regarding this matter, please contact the Tehachapi District Office at (661) 335-7315 or via email at dwpdist19@waterboards.ca.gov.

Sincerely,

Jaswinder S. Dhaliwal, P.E.

Senior Sanitary Engineer, Tehachapi District

Southern California Drinking Water Field Operations Branch

**DIVISION OF DRINKING WATER** 

Enclosure:

Citation No. 03\_19\_18C\_014

Certified Mail No. 7012 1010 0001 3880 1683

cc: Kern County Dept. of Public Health, Env. Health Division (w/out enclosure)

Scott Moore, Seaco Technologies, Inc., Contract Sampler (via email)

1	Citation No. 03_19_18C_014
2	STATE OF CALIFORNIA
3	STATE WATER RESOURCES CONTROL BOARD
4	DIVISION OF DRINKING WATER
5	
6	Name of Public Water System: One Forty Eight East Water System
7	Water System No: 1503684
8	
9 10	Attention: Michael Martin, Vice President One Forty Eight East Water System
11 12	P.O. Box 1390 Inyokern, CA 93527
13	myokem, CA 93027
14	Issued: March 8, 2018
15	
16	CITATION FOR NONCOMPLIANCE
17	TOTAL COLIFORM MONITORING VIOLATION
18	CALIFORNIA CODE OF REGULATIONS, TITLE 22, SECTION 64423
19	January 2018
20	
21	The California Health and Safety Code (hereinafter "CHSC"), Section 116650 authorizes
22	the State Water Resources Control Board (hereinafter "State Board") to issue a citation
23	to a public water system when the State Board determines that the public water system
24	has violated or is violating the California Safe Drinking Water Act (hereinafter "California
25	SDWA"), (CHSC, Division 104, Part 12, Chapter 4, commencing with Section 116270),
26	or any regulation, standard, permit, or order issued or adopted thereunder.
27	
28	The State Board, acting by and through its Division of Drinking Water (hereinafter
29	"Division") and the Deputy Director for the Division, hereby issues this citation pursuant
30	to Section 116650 of the CHSC to the One Forty Eight East Water System for violation of

CHSC, Section 116555(a)(1) and California Code of Regulations (hereinafter "CCR"), Title 22, Section 64423.

A copy of the applicable statutes and regulations are included in **Appendix 1**, which is attached hereto and incorporated by reference.

#### STATEMENT OF FACTS

The One Forty Eight East Water System (hereinafter "Water System") is classified as a community water system with a population of 35, serving 13 service connections. The Water System operates under authority of the Division of Drinking Water; a domestic water supply permit is pending and will be issued after the State Board receives and reviews the permit application. A permit application package was sent to the Water System, in a document dated December 2, 2017.

The Water System is required to collect one (1) routine bacteriological sample every month from the distribution system. The State Board has not received any results for bacteriological sampling for the month of January 2018. The State Board has received the result for one (1) routine bacteriological sample, collected on February 22, 2018.

# **DETERMINATION**

CCR, Title 22, Section 64421(a)(2) states that each water supplier shall collect routine, repeat and replacement samples, as required in Sections 64423, 64424, and 64425. Section 64423 states that a water supplier shall collect routine bacteriological water samples based on the known population served or the total number of service connections, whichever results in the greater number of samples, as shown in Table 64423-A attached hereto in **Appendix 1**.

In accordance with CCR, Title 22, Section 64423, the Water System was required to collect one (1) bacteriological sample each during the month of January 2018. The State Board has not received any bacteriological results for the month of January 2018. Therefore, the State Board has determined that the Water System violated CCR, Title 22, Section 64423 during the month of January, 2018.

1

2

3

4

14

19

22

25

26

28 29

27

# **DIRECTIVES**

The Water System is hereby directed to take the following actions:

- 1. The Water System shall collect the routine bacteriological sample(s) required in accordance with CCR, Title 22, Section 64423 in all future compliance periods.
- 2. On or before March 19, 2018, notify all persons served by the One Forty Eight East Water System of the violation of Section 64423, in conformance with CCR, Title 22, Sections 64463.4(b)&(c) and 64465. Copies of Sections 64463.4 and 64465 are included in Appendix 1. Notification Template provided under Appendix 2 shall be used to fulfill this directive, unless otherwise approved by the State Board.
- 3. Complete Appendix 3: Compliance Certification Form. Submit it together with a copy of the public notification, required by Directive 2, to the State Board on or before March 29, 2018.

All submittals required by this Citation shall be electronically submitted to the Division at the following address. The subject line for all electronic submittals corresponding to this citation shall include the following information: Water System name and number, citation number and title of the document being submitted.

> Jaswinder S. Dhaliwal, P.E. Senior Sanitary Engineer dwpdist19@waterboards.ca.gov

The State Board reserves the right to make such modifications to this Citation as it may deem necessary to protect public health and safety. Such modifications may be issued as amendments to this Citation and shall be effective upon issuance.

Nothing in this Citation relieves the Water System of its obligation to meet the requirements of the California SDWA (CHSC, Division 104, Part 12, Chapter 4, commencing with Section 116270), or any regulation, standard, permit or order issued or adopted thereunder.

#### PARTIES BOUND

This Citation shall apply to and be binding upon the Water System and its owners, shareholders, officers, directors, agents, employees, contractors, successors, and assignees.

#### **SEVERABILITY**

The directives of this Citation are severable, and the Water System shall comply with each and every provision thereof notwithstanding the effectiveness of any provision.

# **FURTHER ENFORCEMENT ACTION**

The California SDWA authorizes the State Board to: issue a citation with assessment of administrative penalties to a public water system for violation or continued violation of the requirements of the California SDWA or any regulation, permit, standard, citation, or order issued or adopted thereunder including, but not limited to, failure to correct a violation identified in a citation or compliance order. The California SDWA also authorizes the State Board to take action to suspend or revoke a permit that has been issued to a public water system if the public water system has violated applicable law or

1	regulations or has failed to comply with an order of the State Board, and to petition the
2	superior court to take various enforcement measures against a public water system that
3	has failed to comply with an order of the State Board. The State Board does not waive
4	any further enforcement action by issuance of this Citation.
5	
6	Jasvinder Maliwol March 9, 2018
7	Jaswinder S. Dhaliwal, P.E.  March 9, 2018  Date
8	Jaswinder S. Dhaliwal, P.E. Date
9	Senior Sanitary Engineer
10	DRINKING WATER FIELD OPERATIONS BRANCH
11	
12	Appendices (3):
13	Applicable Statutes and Regulations
14	2. Notification Template
15	3. Compliance Certification Form
16	
17	Certified Mail No. 7012 1010 0001 3880 1683
18	
19 20	cc: Kern County Dept. of Public Health, Env. Health Division (w/out Appendices) Scott Moore, Seaco Technologies, Inc., Contract Sampler (via email)
21	Total Model Total Organica, Mo., Contract Camples (Via email)
22	

#### APPENDIX 1. APPLICABLE STATUTES AND REGULATIONS FOR

#### Violations of Total Coliform Rule

# California Health and Safety Code (CHSC):

#### Section 116271 states in relevant part:

- (a) The state board succeeds to and is vested with all of the authority, duties, powers, purposes, functions, responsibilities, and jurisdiction of the State Department of Public Health, its predecessors, and its director for purposes of all of the following:
  - (1) The Environmental Laboratory Accreditation Act (Article 3 (commencing with Section 100825) of Chapter 4 of Part 1 of Division 101).
  - (2) Article 3 (commencing with Section 106875) of Chapter 4 of Part 1.
  - (3) Article 1 (commencing with Section 115825) of Chapter 5 of Part 10.
  - (4) This chapter and the Safe Drinking Water State Revolving Fund Law of 1997 (Chapter 4.5 (commencing with Section 116760)).
  - (5) Article 2 (commencing with Section 116800), Article 3 (commencing with Section 116825), and Article 4 (commencing with Section 116875) of Chapter 5.
  - (6) Chapter 7 (commencing with Section 116975).
  - (7) The Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006 (Division 43 (commencing with Section 75001) of the Public Resources Code).
  - (8) The Water Recycling Law (Chapter 7 (commencing with Section 13500) of Division 7 of the Water Code).
  - (9) Chapter 7.3 (commencing with Section 13560) of Division 7 of the Water Code.
  - (10) The California Safe Drinking Water Bond Law of 1976 (Chapter 10.5 (commencing with Section 13850) of Division 7 of the Water Code).
  - (11) Wholesale Regional Water System Security and Reliability Act (Division 20.5 (commencing with Section 73500) of the Water Code).
  - (12) Water Security, Clean Drinking Water, Coastal and Beach Protection Act of 2002 (Division 26.5 (commencing with Section 79500) of the Water Code).
- (b) The state board shall maintain a drinking water program and carry out the duties, responsibilities, and functions described in this section. Statutory reference to "department," "state department," or "director" regarding a function transferred to the state board shall refer to the state board. This section does not impair the authority of a local health officer to enforce this chapter or a county's election not to enforce this chapter, as provided in Section 116500...
- (1) The state board shall appoint a deputy director who reports to the executive director to oversee the issuance and enforcement of public water system permits and other duties as appropriate. The deputy director shall have public health expertise.
- (2) The deputy director is delegated the state board's authority to provide notice, approve notice content, approve emergency notification plans, and take other action pursuant to Article 5 (commencing with Section 116450), to issue, renew, reissue, revise, amend, or deny any public water system permits pursuant to Article 7 (commencing with Section 116525), to suspend or revoke any public water system permit pursuant to Article 8 (commencing with Section 116625), and to issue citations, assess penalties, or issue orders pursuant to Article 9 (commencing with Section 116650). Decisions and actions of the deputy director taken pursuant to Article 5 (commencing with Section 116450) or Article 7 (commencing with Section 116525) are deemed decisions and actions taken by the state board, but are not subject to reconsideration by the state board except as provided in Section 116540. Decisions and actions of the deputy director taken pursuant to Article 8 (commencing with Section 116625) and Article 9 (commencing with Section 116650) are deemed decisions and actions taken by the state board, but any aggrieved person may petition the state board for reconsideration of the decision or action. This subdivision is not a limitation on the state board's authority to delegate any other powers and duties.

#### Section 116275 states in relevant part:

- (c) "Primary drinking water standards" means:
- (1) Maximum levels of contaminants that, in the judgment of the state board, may have an adverse effect on the health of persons.
- (2) Specific treatment techniques adopted by the state board in lieu of maximum contaminant levels pursuant to subdivision (i) of Section 116365.
- (3) The monitoring and reporting requirements as specified in regulations adopted by the state board that pertain to maximum contaminant levels.

#### Section 116555 states in relevant part:

- (a) Any person who owns a public water system shall ensure that the system does all of the following:
  - (1) Complies with primary and secondary drinking water standards.
  - (2) Will not be subject to backflow under normal operating conditions.
  - (3) Provides a reliable and adequate supply of pure, wholesome, healthful, and potable water.

#### Section 116577. Enforcement fee states:

(a) Each public water system shall reimburse the state board for actual costs incurred by the state board for any of the following enforcement activities related to that water system:

(1) Preparing, issuing, and monitoring compliance with, an order or a citation.

(2) Preparing and issuing public notification.

- (3) Conducting a hearing pursuant to Section 116625.
- (b) The state board shall submit an invoice for these enforcement costs to the public water system that requires payment before September 1 of the fiscal year following the fiscal year in which the costs were incurred. The invoice shall indicate the total hours expended, the reasons for the expenditure, and the hourly cost rate of the state board. The costs set forth in the invoice shall not exceed the total actual costs to the state board of enforcement activities specified in this section.
- (c) Notwithstanding the reimbursement of enforcement costs of the local primacy agency pursuant to subdivision (a) of Section 116595 by a public water system under the jurisdiction of the local primacy agency, a public water system shall also reimburse enforcement costs, if any, incurred by the state board pursuant to this section.
  - (d) "Enforcement costs," as used in this section, does not include "litigation costs" pursuant to Section 116585.
- (e) The state board shall not be entitled to enforcement costs pursuant to this section if a court determines that enforcement activities were in error.
- (f) Payment of the invoice shall be made within 90 days of the date of the invoice. Failure to pay the invoice within 90 days shall result in a 10-percent late penalty that shall be paid in addition to the invoiced amount.
- (g) The state board may, at its sole discretion, waive payment by a public water system of all or any part of the invoice or penalty.

#### Section 116625 (Revocation and suspension of permits) states:

- (a) The state board, after providing notice to the permittee and opportunity for a hearing, may suspend or revoke any permit issued pursuant to this chapter if the state board determines pursuant to the hearing that the permittee is not complying with the permit, this chapter, or any regulation, standard, or order issued or adopted thereunder, or that the permittee has made a false statement or representation on any application, record, or report maintained or submitted for purposes of compliance with this chapter. If the permittee does not request a hearing within the period specified in the notice, the state board may suspend or revoke the permit without a hearing. If the permittee submits a timely request for a hearing, the hearing shall be before the state board or a member of the state board, in accordance with Section 183 of the Water Code and the rules for adjudicative proceedings adopted under Section 185 of the Water Code. If the permit at issue has been temporarily suspended pursuant to subdivision (b), the notice shall be provided within 15 days of the effective date of the temporary suspension order. The commencement of the hearing under this subdivision shall be as soon as practicable, but no later than 60 days after the effective date of the temporary suspension order, unless the state board grants an extension of the 60 day period upon request of the permittee.
- (b) The state board may temporarily suspend any permit issued pursuant to this chapter before any hearing when the action is necessary to prevent an imminent or substantial danger to health. The state board shall notify the permittee of the temporary suspension and the effective date of the temporary suspension and, at the same time, notify the permittee that a hearing has been scheduled. The hearing shall be held as soon as possible, but not later than 15 days after the effective date of the temporary suspension unless the state board grants an extension of the 15 day period upon request of the permittee, and shall deal only with the issue of whether the temporary suspension shall remain in place pending a hearing under subdivision (a). The hearing shall be conducted under the rules for adjudicative proceedings adopted by the state board under Section 185 of the Water Code. The temporary suspension shall remain in effect until the hearing under this subdivision is completed and the state board has made a final determination on the temporary suspension, which shall be made within 15 days after the completion of the hearing unless the state board grants an extension of the 15 day period upon request of the permittee. If the determination is not transmitted within 15 days after the hearing is completed, or any extension of this period requested by the permittee, the temporary suspension shall be of no further effect. Dissolution of the temporary suspension does not deprive the state board of jurisdiction to proceed with a hearing on the merits under subdivision (a).

#### Section 116650 states in relevant part:

- (a) If the state board determines that a public water system is in violation of this chapter or any regulation, permit, standard, citation, or order issued or adopted thereunder, the state board may issue a citation to the public water system. The citation shall be served upon the public water system personally or by certified mail. Service shall be deemed effective as of the date of personal service or the date of receipt of the certified mail. If a person to whom a citation is directed refuses to accept delivery of the certified mail, the date of service shall be deemed to be the date of mailing.
- (b) Each citation shall be in writing and shall describe the nature of the violation or violations, including a reference to the statutory provision, standard, order, citation, permit, or regulation alleged to have been violated.
  - (c) A citation may specify a date for elimination or correction of the condition constituting the violation.
  - (d) A citation may include the assessment of a penalty as specified in subdivision (e).
- (e) The state board may assess a penalty in an amount not to exceed one thousand dollars (\$1,000) per day for each day that a violation occurred, and for each day that a violation continues to occur. A separate penalty may be assessed for each violation and shall be in addition to any liability or penalty imposed under any other law.

# Section 116701 (Petitions to Orders and Decisions) states:

(a)

- (1) Within 30 days of issuance of an order or decision under authority delegated to an officer or employee of the state board under Article 8 (commencing with Section 116625) or Article 9 (commencing with Section 116650), an aggrieved person may petition the state board for reconsideration.
- (2) Within 30 days of issuance of an order or decision under authority delegated to an officer or employee of the state board under Section 116540, the applicant may petition the state board for reconsideration.

(3) Within 30 days of final action by an officer or employee of the state board acting under delegated authority, the owner of a laboratory that was the subject of the final action may petition the state board for reconsideration of any of the following actions:

(A) Denial of an application for certification or accreditation under Section 100855.

(B) Issuance of an order directing compliance under Section 100875.

(C) Issuance of a citation under Section 100880.

(D) Assessment of a penalty under subdivision (e) of Section 100880.

(b) The petition shall include the name and address of the petitioner, a copy of the order or decision for which the petitioner seeks reconsideration, identification of the reason the petitioner alleges the issuance of the order was inappropriate or improper, the specific action the petitioner requests, and other information as the state board may prescribe. The petition shall be accompanied by a statement of points and authorities of the legal issues raised by the petition.

(c) The evidence before the state board shall consist of the record before the officer or employee who issued the order or decision and any other relevant evidence that, in the judgment of the state board, should be considered to implement the

policies of this chapter. The state board may, in its discretion, hold a hearing for receipt of additional evidence.

(d) The state board may refuse to reconsider the order or decision if the petition fails to raise substantial issues that are appropriate for review, may deny the petition upon a determination that the issuance of the order or decision was appropriate and proper, may set aside or modify the order or decision, or take other appropriate action. The state board's action pursuant to this subdivision shall constitute the state board's completion of its reconsideration.

(e) The state board, upon notice and hearing, if a hearing is held, may stay in whole or in part the effect of the order or

decision subject to the petition for reconsideration.

(f) If an order or decision is subject to reconsideration under this section, the filing of a petition for reconsideration is an administrative remedy that must be exhausted before filing a petition for writ of mandate under Section 100920.5 or 116700.

# California Code of Regulations, Title 22 (CCR):

#### Section 64421 (General Requirements) states:

(a) Each water supplier shall:

(1) Develop a routine sample siting plan as required in section 64422;

(2) Collect routine, repeat and replacement samples as required in Sections 64423, 64424, and 64425;

(3) Have all samples analyzed by laboratories approved to perform those analyses by the State Board and report results as required in section 64423.1;

(4) Notify the State Board when there is an increase in coliform bacteria in bacteriological samples as required in

section 64426; and

(5) Comply with the Maximum Contaminant Level as required in section 64426.1.

(b) Water suppliers shall perform additional bacteriological monitoring as follows:

(1) After construction or repair of wells;

(2) After main installation or repair;

(3) After construction, repair, or maintenance of storage facilities; and

(4) After any system pressure loss to less than five psi. Samples collected shall represent the water quality in the affected portions of the system.

#### Section 64422 (Routine Sample Siting Plan) states:

(a) By September 1, 1992, each water supplier shall develop and submit to the State Board a siting plan for the routine collection of samples for total coliform analysis, subject to the following:

(1) The sample sites chosen shall be representative of water throughout the distribution system including all pressure zones, and areas supplied by each water source and distribution reservoir.

(2) The water supplier may rotate sampling among the sample sites if the total number of sites needed to comply with

(a)(1) above exceeds the number of samples required according to Table 64423-A. The rotation plan shall be described in the sample siting plan.

(b) If personnel other than certified operators will be performing field tests and/or collecting samples, the sample siting plan shall include a declaration that such personnel have been trained, pursuant to §64415 (b).

(c) The supplier shall submit an updated plan to the State Board at least once every ten years and at any time the plan no longer ensures representative monitoring of the system.

#### Section 64423 (Routine Sampling) states:

(a) Each water supplier shall collect routine bacteriological water samples as follows:

(1) The minimum number of samples for community water systems shall be based on the known population served or the total number of service connections, whichever results in the greater number of samples, as shown in Table 64423-A. A community water system using groundwater which serves 25-1000 persons may request from the State Board a reduction in monitoring frequency. The minimum reduced frequency shall not be less than one sample per quarter.

(2) The minimum number of samples for nontransient-noncommunity water systems shall be based on the known population served as shown in Table 64423-A during those months when the system is operating. A nontransient-

noncommunity water system using groundwater which serves 25-1000 persons may request from the State Board a reduction in monitoring frequency if it has not violated the requirements in this article during the past twelve months. The minimum reduced frequency shall not be less than one sample per quarter.

(3) The minimum number of samples for transient-noncommunity water systems using groundwater and serving 1000 or fewer persons a month shall be one in each calendar quarter during which the system provides water to the public.

#### Citation No 03\_19 18C 014

(4) The minimum number of samples for transient-noncommunity water systems using groundwater and serving more than 1000 persons during any month shall be based on the known population served as shown in Table 64423-A, except that the water supplier may request from the State Board a reduction in monitoring for any month the system serves 1000 persons or fewer. The minimum reduced frequency shall not be less than one sample in each calendar quarter during which the system provides water to the public.

(5) The minimum number of samples for transient-noncommunity water systems using approved surface water shall be based on the population served as shown in Table 64423-A. A system using groundwater under the direct influence of surface water shall begin monitoring at this frequency by the end of the sixth month after the State Board has

designated the source to be approved surface water.

(6) A public water system shall collect samples at regular time intervals throughout the month, except that a system using groundwater which serves 4,900 persons or fewer may collect all required samples on a single day if they are taken from different sites.

(b) In addition to the minimum sampling requirements, all water suppliers using approved surface water which do not practice treatment in compliance with Sections 64650 through 64666, shall collect a minimum of one sample before or at the first service connection each day during which the turbidity level of the water delivered to the system exceeds 1 NTU. The sample shall be collected within 24 hours of the exceedance and shall be analyzed for total coliforms. If the water supplier is unable to collect and/or analyze the sample within the 24-hour time period because of extenuating circumstances beyond its control, the supplier shall notify the State Board within the 24-hour time period and may request an extension. Sample results shall be included in determining compliance with the MCL for total coliforms in Section 64426.1.

(c) If any routine, repeat, or replacement sample is total coliform-positive, then the water supplier shall collect repeat samples in accordance with Section 64424 and comply with the reporting requirements specified in Sections 64426 and 64426.1.

Table 64423-A

Monthly Population Served   Service Connections   Minimum Number of Samples   25 to 1000	Minimum Number of Routine Total Coliform Samples						
25 to 1000	Monthly Population Served	Service Connections	Minimum Number of Samples				
2,501 to 3,300         891 to 1,180         3 per month           3,301 to 4,100         1,181 to 1,460         4 per month           4,101 to 4,900         1,461 to 1,750         5 per month           4,901 to 5,800         1,751 to 2,100         6 per month           5,801 to 6,700         2,101 to 2,400         7 per month           6,701 to 7,600         2,401 to 2,700         2 per week           7,601 to 12,900         2,701 to 4,600         3 per week           12,901 to 17,200         4,601 to 8,100         4 per week           17,201 to 21,500         6,101 to 7,700         5 per week           21,501 to 25,000         7,701 to 8,900         6 per week           25,001 to 33,000         8,901 to 11,800         8 per week           33,001 to 41,000         11,801 to 14,600         10 per week           41,001 to 50,000         14,601 to 17,900         12 per week           59,001 to 70,000         17,901 to 21,100         15 per week           59,001 to 70,000         21,101 to 25,000         18 per week           83,001 to 96,000         29,601 to 34,300         23 per week           83,001 to 96,000         29,601 to 34,300         23 per week           80,001 to 320,000         78,601 to 14,300         35 per week <td></td> <td></td> <td>1 per month</td>			1 per month				
2,501 to 3,300       891 to 1,180       3 per month         3,301 to 4,100       1,181 to 1,460       4 per month         4,101 to 4,900       1,461 to 1,750       5 per month         4,901 to 5,800       1,751 to 2,100       6 per month         5,801 to 6,700       2,101 to 2,400       7 per month         6,701 to 7,600       2,401 to 2,700       2 per week         7,601 to 12,900       2,701 to 4,600       3 per week         12,901 to 17,200       4,601 to 6,100       4 per week         17,201 to 21,500       6,101 to 7,700       5 per week         21,501 to 25,000       7,701 to 8,900       6 per week         25,001 to 33,000       8,901 to 11,800       8 per week         33,001 to 41,000       11,801 to 14,600       10 per week         41,001 to 50,000       14,601 to 17,900       12 per week         59,001 to 59,000       17,901 to 21,100       15 per week         59,001 to 70,000       21,101 to 25,000       18 per week         83,001 to 96,000       29,601 to 34,300       23 per week         83,001 to 96,000       29,601 to 34,300       23 per week         130,001 to 220,000       46,401 to 78,600       30 per week         130,001 to 320,000       78,601 to 114,300       35 per w			2 per month				
3,301 to 4,100		891 to 1,180					
4,101 to 4,900       1,461 to 1,750       5 per month         4,901 to 5,800       1,751 to 2,100       6 per month         5,801 to 6,700       2,101 to 2,400       7 per month         6,701 to 7,600       2,401 to 2,700       2 per week         7,601 to 12,900       2,701 to 4,600       3 per week         12,901 to 17,200       4,601 to 6,100       4 per week         17,201 to 21,500       6,101 to 7,700       5 per week         21,501 to 25,000       7,701 to 8,900       6 per week         25,001 to 33,000       8,901 to 11,800       8 per week         25,001 to 33,000       11,801 to 14,600       10 per week         33,001 to 41,000       11,801 to 14,600       10 per week         41,001 to 50,000       14,601 to 17,900       12 per week         50,001 to 59,000       17,901 to 21,100       15 per week         50,001 to 59,000       21,101 to 25,000       18 per week         70,001 to 83,000       25,001 to 29,600       20 per week         83,001 to 96,000       29,601 to 34,300       23 per week         96,001 to 130,000       34,301 to 46,400       25 per week         130,001 to 220,000       46,401 to 78,600       30 per week         220,001 to 320,000       78,601 to 14,300 <t< td=""><td>3,301 to 4,100</td><td>1,181 to 1,460</td><td></td></t<>	3,301 to 4,100	1,181 to 1,460					
4,901 to 5,800       1,751 to 2,400       6 per month         5,801 to 6,700       2,101 to 2,400       7 per month         6,701 to 7,600       2,401 to 2,700       2 per week         7,601 to 12,900       2,701 to 4,600       3 per week         12,901 to 17,200       4,601 to 6,100       4 per week         17,201 to 21,500       6,101 to 7,700       5 per week         21,501 to 25,000       7,701 to 8,900       6 per week         25,001 to 33,000       8,901 to 11,800       8 per week         33,001 to 41,000       11,801 to 14,600       10 per week         41,001 to 50,000       14,601 to 17,900       12 per week         59,001 to 59,000       17,901 to 21,100       15 per week         59,001 to 70,000       21,101 to 25,000       18 per week         70,001 to 83,000       25,001 to 29,600       20 per week         83,001 to 96,000       29,601 to 34,300       23 per week         83,001 to 20,000       34,301 to 46,400       25 per week         130,001 to 220,000       46,401 to 78,600       30 per week         220,001 to 320,000       78,601 to 114,300       38 per week         320,001 to 450,000       114,301 to 160,700       50 per week         450,001 to 970,000       278,601 to 346,400 </td <td></td> <td>1,461 to 1,750</td> <td></td>		1,461 to 1,750					
5,801 to 6,700       2,101 to 2,400       7 per month         6,701 to 7,600       2,401 to 2,700       2 per week         7,601 to 12,900       2,701 to 4,600       3 per week         12,901 to 17,200       4,601 to 6,100       4 per week         17,201 to 21,500       6,101 to 7,700       5 per week         21,501 to 25,000       7,701 to 8,900       6 per week         25,001 to 33,000       8,901 to 11,800       8 per week         33,001 to 41,000       11,801 to 14,600       10 per week         41,001 to 50,000       14,601 to 17,900       12 per week         59,001 to 59,000       17,901 to 21,100       15 per week         59,001 to 70,000       21,101 to 25,000       18 per week         70,001 to 83,000       25,001 to 29,600       20 per week         83,001 to 96,000       29,601 to 34,300       23 per week         83,001 to 96,000       29,601 to 34,300       25 per week         820,001 to 320,000       34,301 to 46,400       25 per week         130,001 to 220,000       46,401 to 78,600       30 per week         220,001 to 320,000       78,601 to 143,300       38 per week         450,001 to 600,000       160,701 to 214,300       50 per week         450,001 to 780,000       278,601 to 346		1,751 to 2,100	<del></del>				
6,701 to 7,600       2,401 to 2,700       2 per week         7,601 to 12,900       2,701 to 4,600       3 per week         12,901 to 17,200       4,601 to 6,100       4 per week         17,201 to 21,500       6,101 to 7,700       5 per week         21,501 to 25,000       7,701 to 8,900       6 per week         25,001 to 33,000       8,901 to 11,800       8 per week         33,001 to 41,000       11,801 to 14,600       10 per week         41,001 to 50,000       14,601 to 17,900       12 per week         59,001 to 59,000       17,901 to 21,100       15 per week         59,001 to 70,000       21,101 to 25,000       18 per week         70,001 to 83,000       25,001 to 29,600       20 per week         83,001 to 96,000       29,601 to 34,300       23 per week         96,001 to 130,000       34,301 to 46,400       25 per week         130,001 to 220,000       46,401 to 78,600       30 per week         220,001 to 320,000       78,601 to 114,300       38 per week         320,001 to 450,000       114,301 to 160,700       50 per week         450,001 to 600,000       160,701 to 214,300       55 per week         450,001 to 78,000       278,601 to 346,400       70 per week         780,001 to 1,230,000       34		2,101 to 2,400					
7,601 to 12,900     2,701 to 4,600     3 per week       12,901 to 17,200     4,601 to 6,100     4 per week       17,201 to 21,500     6,101 to 7,700     5 per week       21,501 to 25,000     7,701 to 8,900     6 per week       25,001 to 33,000     8,901 to 11,800     8 per week       33,001 to 41,000     11,801 to 14,600     10 per week       41,001 to 50,000     14,601 to 17,900     12 per week       50,001 to 59,000     17,901 to 21,100     15 per week       59,001 to 70,000     21,101 to 25,000     18 per week       70,001 to 83,000     25,001 to 29,600     20 per week       83,001 to 96,000     29,601 to 34,300     23 per week       96,001 to 130,000     34,301 to 46,400     25 per week       130,001 to 220,000     46,401 to 78,600     30 per week       220,001 to 320,000     78,601 to 114,300     38 per week       320,001 to 450,000     114,301 to 160,700     50 per week       450,001 to 600,000     160,701 to 214,300     55 per week       600,001 to 780,000     278,601 to 346,400     70 per week       780,001 to 1,230,000     346,401 to 439,300     75 per week       1,230,001 to 1,520,000     439,301 to 542,900     85 per week       1,520,001 to 1,850,000     542,901 to 660,700     90 per week       1,52		2,401 to 2,700					
12,901 to 17,200		2,701 to 4,600					
17,201 to 21,500		4,601 to 6,100					
21,501 to 25,000       7,701 to 8,900       6 per week         25,001 to 33,000       8,901 to 11,800       8 per week         33,001 to 41,000       11,801 to 14,600       10 per week         41,001 to 50,000       14,601 to 17,900       12 per week         50,001 to 59,000       17,901 to 21,100       15 per week         59,001 to 70,000       21,101 to 25,000       18 per week         70,001 to 83,000       25,001 to 29,600       20 per week         83,001 to 96,000       29,601 to 34,300       23 per week         96,001 to 130,000       34,301 to 46,400       25 per week         130,001 to 220,000       46,401 to 78,600       30 per week         220,001 to 320,000       78,601 to 114,300       38 per week         320,001 to 450,000       114,301 to 160,700       50 per week         450,001 to 600,000       160,701 to 214,300       55 per week         600,001 to 780,000       278,601 to 346,400       70 per week         780,001 to 970,000       278,601 to 346,400       70 per week         970,001 to 1,230,000       439,301 to 542,900       85 per week         1,230,001 to 1,520,000       439,301 to 542,900       85 per week         1,520,001 to 1,850,000       542,901 to 660,700       90 per week	17,201 to 21,500	6,101 to 7,700					
25,001 to 33,000       8,901 to 11,800       8 per week         33,001 to 41,000       11,801 to 14,600       10 per week         41,001 to 50,000       14,601 to 17,900       12 per week         50,001 to 59,000       17,901 to 21,100       15 per week         59,001 to 70,000       21,101 to 25,000       18 per week         70,001 to 83,000       25,001 to 29,600       20 per week         83,001 to 96,000       29,601 to 34,300       23 per week         96,001 to 130,000       34,301 to 46,400       25 per week         130,001 to 220,000       46,401 to 78,600       30 per week         220,001 to 320,000       78,601 to 114,300       38 per week         320,001 to 450,000       114,301 to 160,700       50 per week         450,001 to 600,000       160,701 to 214,300       55 per week         600,001 to 780,000       214,301 to 278,600       60 per week         780,001 to 970,000       278,601 to 346,400       70 per week         970,001 to 1,230,000       346,401 to 439,300       75 per week         1,230,001 to 1,520,000       439,301 to 542,900       85 per week         1,520,001 to 1,850,000       542,901 to 660,700       90 per week         1,850,001 to 2,270,000       660,701 to 810,700       98 per week	21,501 to 25,000	7,701 to 8,900					
33,001 to 41,000		8,901 to 11,800					
41,001 to 50,000       14,601 to 17,900       12 per week         50,001 to 59,000       17,901 to 21,100       15 per week         59,001 to 70,000       21,101 to 25,000       18 per week         70,001 to 83,000       25,001 to 29,600       20 per week         83,001 to 96,000       29,601 to 34,300       23 per week         96,001 to 130,000       34,301 to 46,400       25 per week         130,001 to 220,000       46,401 to 78,600       30 per week         220,001 to 320,000       78,601 to 114,300       38 per week         320,001 to 450,000       114,301 to 160,700       50 per week         450,001 to 600,000       160,701 to 214,300       55 per week         600,001 to 780,000       214,301 to 278,600       60 per week         780,001 to 970,000       278,601 to 346,400       70 per week         970,001 to 1,230,000       346,401 to 439,300       75 per week         1,230,001 to 1,520,000       439,301 to 542,900       85 per week         1,520,001 to 1,850,000       542,901 to 660,700       90 per week         1,850,001 to 2,270,000       660,701 to 810,700       98 per week         2,270,001 to 3,960,000       1,078,601 to 1,414,300       110 per week		11,801 to 14,600					
50,001 to 59,000       17,901 to 21,100       15 per week         59,001 to 70,000       21,101 to 25,000       18 per week         70,001 to 83,000       25,001 to 29,600       20 per week         83,001 to 96,000       29,601 to 34,300       23 per week         96,001 to 130,000       34,301 to 46,400       25 per week         130,001 to 220,000       46,401 to 78,600       30 per week         220,001 to 320,000       78,601 to 114,300       38 per week         320,001 to 450,000       114,301 to 160,700       50 per week         450,001 to 600,000       160,701 to 214,300       55 per week         600,001 to 780,000       214,301 to 278,600       60 per week         780,001 to 970,000       278,601 to 346,400       70 per week         970,001 to 1,230,000       346,401 to 439,300       75 per week         1,230,001 to 1,520,000       439,301 to 542,900       85 per week         1,520,001 to 1,850,000       542,901 to 660,700       90 per week         1,850,001 to 2,270,000       660,701 to 810,700       98 per week         2,270,001 to 3,020,000       810,701 to 1,078,600       105 per week         3,020,001 to 3,960,000       1,078,601 to 1,414,300       110 per week							
59,001 to 70,000       21,101 to 25,000       18 per week         70,001 to 83,000       25,001 to 29,600       20 per week         83,001 to 96,000       29,601 to 34,300       23 per week         96,001 to 130,000       34,301 to 46,400       25 per week         130,001 to 220,000       46,401 to 78,600       30 per week         220,001 to 320,000       78,601 to 114,300       38 per week         320,001 to 450,000       114,301 to 160,700       50 per week         450,001 to 600,000       160,701 to 214,300       55 per week         600,001 to 780,000       214,301 to 278,600       60 per week         780,001 to 970,000       278,601 to 346,400       70 per week         970,001 to 1,230,000       346,401 to 439,300       75 per week         1,230,001 to 1,520,000       439,301 to 542,900       85 per week         1,520,001 to 1,850,000       542,901 to 660,700       90 per week         1,850,001 to 2,270,000       660,701 to 810,700       98 per week         2,270,001 to 3,020,000       810,701 to 1,078,600       105 per week         3,020,001 to 3,960,000       1,078,601 to 1,414,300       110 per week							
70,001 to 83,000       25,001 to 29,600       20 per week         83,001 to 96,000       29,601 to 34,300       23 per week         96,001 to 130,000       34,301 to 46,400       25 per week         130,001 to 220,000       46,401 to 78,600       30 per week         220,001 to 320,000       78,601 to 114,300       38 per week         320,001 to 450,000       114,301 to 160,700       50 per week         450,001 to 600,000       160,701 to 214,300       55 per week         600,001 to 780,000       214,301 to 278,600       60 per week         780,001 to 970,000       278,601 to 346,400       70 per week         970,001 to 1,230,000       346,401 to 439,300       75 per week         1,230,001 to 1,520,000       439,301 to 542,900       85 per week         1,520,001 to 1,850,000       542,901 to 660,700       90 per week         1,850,001 to 2,270,000       660,701 to 810,700       98 per week         2,270,001 to 3,020,000       810,701 to 1,078,600       105 per week         3,020,001 to 3,960,000       1,078,601 to 1,414,300       110 per week	59,001 to 70,000						
83,001 to 96,000 29,601 to 34,300 23 per week 96,001 to 130,000 34,301 to 46,400 25 per week 130,001 to 220,000 46,401 to 78,600 30 per week 220,001 to 320,000 78,601 to 114,300 38 per week 320,001 to 450,000 114,301 to 160,700 50 per week 450,001 to 600,000 160,701 to 214,300 55 per week 600,001 to 780,000 214,301 to 278,600 60 per week 780,001 to 970,000 278,601 to 346,400 70 per week 970,001 to 1,230,000 346,401 to 439,300 75 per week 1,230,001 to 1,520,000 439,301 to 542,900 85 per week 1,520,001 to 1,850,000 542,901 to 660,700 90 per week 1,850,001 to 2,270,000 660,701 to 810,700 98 per week 2,270,001 to 3,020,000 810,701 to 1,078,600 110 per week	70,001 to 83,000						
96,001 to 130,000	83,001 to 96,000						
130,001 to 220,000       46,401 to 78,600       30 per week         220,001 to 320,000       78,601 to 114,300       38 per week         320,001 to 450,000       114,301 to 160,700       50 per week         450,001 to 600,000       160,701 to 214,300       55 per week         600,001 to 780,000       214,301 to 278,600       60 per week         780,001 to 970,000       278,601 to 346,400       70 per week         970,001 to 1,230,000       346,401 to 439,300       75 per week         1,230,001 to 1,520,000       439,301 to 542,900       85 per week         1,520,001 to 1,850,000       542,901 to 660,700       90 per week         1,850,001 to 2,270,000       660,701 to 810,700       98 per week         2,270,001 to 3,020,000       810,701 to 1,078,600       105 per week         3,020,001 to 3,960,000       1,078,601 to 1,414,300       110 per week	96,001 to 130,000						
220,001 to 320,000       78,601 to 114,300       38 per week         320,001 to 450,000       114,301 to 160,700       50 per week         450,001 to 600,000       160,701 to 214,300       55 per week         600,001 to 780,000       214,301 to 278,600       60 per week         780,001 to 970,000       278,601 to 346,400       70 per week         970,001 to 1,230,000       346,401 to 439,300       75 per week         1,230,001 to 1,520,000       439,301 to 542,900       85 per week         1,520,001 to 1,850,000       542,901 to 660,700       90 per week         1,850,001 to 2,270,000       660,701 to 810,700       98 per week         2,270,001 to 3,020,000       810,701 to 1,078,600       105 per week         3,020,001 to 3,960,000       1,078,601 to 1,414,300       110 per week		46,401 to 78,600					
320,001 to 450,000	220,001 to 320,000						
450,001 to 600,000       160,701 to 214,300       55 per week         600,001 to 780,000       214,301 to 278,600       60 per week         780,001 to 970,000       278,601 to 346,400       70 per week         970,001 to 1,230,000       346,401 to 439,300       75 per week         1,230,001 to 1,520,000       439,301 to 542,900       85 per week         1,520,001 to 1,850,000       542,901 to 660,700       90 per week         1,850,001 to 2,270,000       660,701 to 810,700       98 per week         2,270,001 to 3,020,000       810,701 to 1,078,600       105 per week         3,020,001 to 3,960,000       1,078,601 to 1,414,300       110 per week		114,301 to 160,700					
600,001 to 780,000       214,301 to 278,600       60 per week         780,001 to 970,000       278,601 to 346,400       70 per week         970,001 to 1,230,000       346,401 to 439,300       75 per week         1,230,001 to 1,520,000       439,301 to 542,900       85 per week         1,520,001 to 1,850,000       542,901 to 660,700       90 per week         1,850,001 to 2,270,000       660,701 to 810,700       98 per week         2,270,001 to 3,020,000       810,701 to 1,078,600       105 per week         3,020,001 to 3,960,000       1,078,601 to 1,414,300       110 per week							
780,001 to 970,000       278,601 to 346,400       70 per week         970,001 to 1,230,000       346,401 to 439,300       75 per week         1,230,001 to 1,520,000       439,301 to 542,900       85 per week         1,520,001 to 1,850,000       542,901 to 660,700       90 per week         1,850,001 to 2,270,000       660,701 to 810,700       98 per week         2,270,001 to 3,020,000       810,701 to 1,078,600       105 per week         3,020,001 to 3,960,000       1,078,601 to 1,414,300       110 per week	600,001 to 780,000	214,301 to 278,600					
970,001 to 1,230,000       346,401 to 439,300       75 per week         1,230,001 to 1,520,000       439,301 to 542,900       85 per week         1,520,001 to 1,850,000       542,901 to 660,700       90 per week         1,850,001 to 2,270,000       660,701 to 810,700       98 per week         2,270,001 to 3,020,000       810,701 to 1,078,600       105 per week         3,020,001 to 3,960,000       1,078,601 to 1,414,300       110 per week	780,001 to 970,000	278,601 to 346,400					
1,230,001 to 1,520,000       439,301 to 542,900       85 per week         1,520,001 to 1,850,000       542,901 to 660,700       90 per week         1,850,001 to 2,270,000       660,701 to 810,700       98 per week         2,270,001 to 3,020,000       810,701 to 1,078,600       105 per week         3,020,001 to 3,960,000       1,078,601 to 1,414,300       110 per week	970,001 to 1,230,000	346,401 to 439,300					
1,520,001 to 1,850,000     542,901 to 660,700     90 per week       1,850,001 to 2,270,000     660,701 to 810,700     98 per week       2,270,001 to 3,020,000     810,701 to 1,078,600     105 per week       3,020,001 to 3,960,000     1,078,601 to 1,414,300     110 per week		439,301 to 542,900					
1,850,001 to 2,270,000       660,701 to 810,700       98 per week         2,270,001 to 3,020,000       810,701 to 1,078,600       105 per week         3,020,001 to 3,960,000       1,078,601 to 1,414,300       110 per week							
2,270,001 to 3,020,000     810,701 to 1,078,600     105 per week       3,020,001 to 3,960,000     1,078,601 to 1,414,300     110 per week		660,701 to 810,700					
3,020,001 to 3,960,000 1,078,601 to 1,414,300 110 per week							
0.000.004							
	3,960,001 or more	1,414,301 or more	120 per week				

# Section 64423.1 (Sample Analysis and Reporting of Results) states:

(a) The water supplier shall designate (label) each sample as routine, repeat, replacement, or "other" pursuant to Section 64421(b), and have each sample analyzed for total coliforms. The supplier also shall require the laboratory to analyze the same sample for fecal coliforms or Escherichia coli (E. coli) whenever the presence of total coliforms is indicated. As a minimum, the analytical results shall be reported in terms of the presence or absence of total or fecal coliforms, or E. coli in the sample, whichever is appropriate.

- (b) The water supplier shall require the laboratory to notify the supplier within 24 hours, whenever the presence of total coliforms, fecal coliforms or E. coli is demonstrated in a sample or a sample is invalidated due to interference problems, pursuant to Section 64425(b), and shall ensure that a contact person is available to receive these analytical results 24-hours a day. The water supplier shall also require the laboratory to immediately notify the State Board of any positive bacteriological results if the laboratory cannot make direct contact with the designated contact person within 24 hours.
- (c) Analytical results of all required samples collected for a system in a calendar month shall be reported to the State Board not later than the tenth day of the following month, as follows:
  - (1) The water supplier shall submit a monthly summary of the bacteriological monitoring results to the State Board.
  - (2) For systems serving fewer than 10,000 service connections or 33,000 persons, the water supplier shall require the laboratory to submit copies of all required bacteriological monitoring results directly to the State Board.
  - (3) For systems serving more than 10,000 service connections, or 33,000 persons, the water supplier shall require the laboratory to submit copies of bacteriological monitoring results for all positive routine samples and all repeat samples directly to the State Board.
- (d) Laboratory reports shall be retained by the water supplier for a period of at least five years and shall be made available to the State Board upon request.

Section 64424 (Repeat Sampling) states in relevant part:

- (a) If a routine sample is total coliform-positive, the water supplier shall collect a repeat sample set as described in paragraph (1) within 24 hours of being notified of the positive result. The repeat samples shall all be collected within the same 24 hour time period. A single service connection system may request that the State Board allow the collection of the repeat sample set over a four-day period.
  - (1) For a water supplier that normally collects more than one routine sample a month, a repeat sample set shall be at least three samples for each total coliform-positive sample. For a water supplier that normally collects one or fewer samples per month, a repeat sample set shall be at least four samples for each total coliform-positive sample.
  - (2) If the water supplier is unable to collect the samples within the 24-hour time period specified in subsection (a) or deliver the samples to the laboratory within 24 hours after collection because of circumstances beyond its control, the water supplier shall notify the State Board within 24 hours. The State Board will then determine how much time the supplier will have to collect the repeat samples.
- (b) When collecting the repeat sample set, the water supplier shall collect at least one repeat sample from the sampling tap where the original total coliform-positive sample was taken. Other repeat samples shall be collected within five service connections upstream or downstream of the original site. At least one sample shall be from upstream and one from downstream unless there is no upstream and/or downstream service connection.
- (c) If one or more samples in the repeat sample set is total coliform-positive, the water supplier shall collect and have analyzed an additional set of repeat samples as specified in subsections (a) and (b). The supplier shall repeat this process until either no coliforms are detected in one complete repeat sample set or the supplier determines that the MCL for total coliforms specified in Section 64426.1 has been exceeded and notifies the State Board.
- (d) If a public water system for which fewer than five routine samples/month are collected has one or more total coliform-positive samples, the water supplier shall collect at least five routine samples the following month. If the supplier stops supplying water during the month after the total coliform-positive(s), at least five samples shall be collected during the first month the system resumes operation. A water supplier may request the State Board waive the requirement to collect at least five routine samples the following month, but a waiver will not be granted solely on the basis that all repeat samples are total coliform-negative. To request a waiver, one of the following conditions shall be met:
  - (1) The State Board conducts a site visit before the end of the next month the system provides water to the public to determine whether additional monitoring and/or corrective action is necessary to protect public health.
  - (2) The State Board determines why the sample was total coliform-positive and establishes that the system has corrected the problem or will correct the problem before the end of the next month the system serves water to the public. If a waiver is granted, a system shall collect at least one routine sample before the end of the next month it serves water to the public and use it to determine compliance with Section 64426.1.

Section 64425 (Sample Invalidation) states:

- (a) A water supplier may request the Department to invalidate a sample for which a total coliform-positive result has been reported if the supplier demonstrates:
  - (1) All repeat sample(s) collected at the same tap as the original total coliform-positive sample also are total coliform-positive and all repeat samples collected within five service connections of the original tap are not total coliform-positive; or
  - (2) The laboratory did not follow the prescribed analytical methods pursuant to §64415(a), based on a review of laboratory documentation by the Department. The supplier shall submit to the Department a written request for invalidation along with the laboratory documentation, the supplier's sample collection records and any observations noted during sample collection and delivery. The water supplier shall require the laboratory to provide the supplier with documentation which shall include, but not be limited to:
    - (A) A letter from the director of the laboratory having generated the data, confirming the invalidation request by reason of laboratory accident or error;
    - (B) Complete sample identification, laboratory sample log number (if used), date and time of collection, date and time of receipt by the laboratory, date and time of analysis for the sample(s) in question;

- (C) Complete description of the accident or error alleged to have invalidated the result(s);
- (D) Copies of all analytical, operating, and quality assurance records pertaining to the incident in question; and
- (E) Any observations noted by laboratory personnel when receiving and analyzing the sample(s) in question.
- (b) Whenever any total coliform sample result indicative of the absence of total coliforms has been declared invalid by the laboratory due to interference problems as specified at 40 Code Federal Regulations, Section 141.2100(c)(2), the supplier shall collect a replacement sample from the same location as the original sample within 24 hours of being notified of the interference problem, and have it analyzed for the presence of total coliforms. The supplier shall continue to re-sample at the original site within 24 hours and have the samples analyzed until a valid result is obtained.

# Section 64426 (Significant Rise in Bacterial Count) states in relevant part:

- (a) Any of the following criteria shall indicate a possible significant rise in bacterial count:
  - (1) A system collecting at least 40 samples per month has a total coliform-positive routine sample followed by two total coliform-positive repeat samples in the repeat sample set;
  - (2) A system has a sample which is positive for fecal coliform or E. coli; or
  - (3) A system fails the total coliform Maximum Contaminant Level (MCL) as defined in Section 64426.1.
- (b) When the coliform levels specified in subsection (a) are reached or exceeded, the water supplier shall:
  - (1) Contact the State Board by the end of the day on which the system is notified of the test result or the system determines that it has exceeded the MCL, unless the notification or determination occurs after the State Board office is closed, in which case the supplier shall notify the State Board within 24 hours; and
  - (2) Submit to the State Board information on the current status of physical works and operating procedures which may have caused the elevated bacteriological findings, or any information on community illness suspected of being waterborne. This shall include, but not be limited to:
    - (A) Current operating procedures that are or could potentially be related to the increase in bacterial count:
    - (B) Any interruptions in the treatment process:
    - (C) System pressure loss to less than 5 psi;
    - (D) Vandalism and/or unauthorized access to facilities;
    - (E) Physical evidence indicating bacteriological contamination of facilities;
    - (F) Analytical results of any additional samples collected, including source samples;
    - (G) Community illness suspected of being waterborne; and
    - (H) Records of the investigation and any action taken.

# Section 64426.1 (Total Coliform Maximum Contaminant Level (MCL)) states in relevant part:

- (b) A public water system is in violation of the total coliform MCL when any of the following occurs:
  - (1) For a public water system which collects at least 40 samples per month, more than 5.0 percent of the samples collected during any month are total coliform-positive; or
  - (2) For a public water system which collects fewer than 40 samples per month, more than one sample collected during any month is total coliform-positive; or
  - (3) Any repeat sample is fecal coliform-positive or E. coli-positive; or
- (4) Any repeat sample following a fecal coliform-positive or E. coli-positive routine sample is total coliform-positive.

  (c) If a public water system is not in compliance with paragraphs (b)(1) through (4), during any month in which it supplies water to the public, the water supplier shall notify the State Board by the end of the business day on which this is determined, unless the determination occurs after the State Board office is closed, in which case the supplier shall notify the State Board within 24 hours of the determination. The water supplier shall also notify the consumers served by the water system. A Tier 2 Public Notice shall be given for violations of paragraph (b)(1) or (2), pursuant to section 64463.4. A Tier 1 Public Notice shall be given for violations of paragraph (b)(3) or (4), pursuant to section 64463.1.

#### Section 64430 (CA Ground Water Rule) states in relevant part:

# §141.402. Ground water source microbial monitoring and analytical methods.

- (a) Triggered source water monitoring —
- (1) General requirements. A ground water system must conduct triggered source water monitoring if the conditions identified in paragraphs (a)(1)(i) and (a)(1)(ii) of this section exist.
- (i) The system does not provide at least 4-log treatment of viruses (using inactivation, removal, or a State-approved combination of 4-log virus inactivation and removal) before or at the first customer for each ground water source; and (ii) The system is notified that a sample collected under 22 California Code of Regulations sections 64422 and 64423 is total coliform-positive and the sample is not invalidated under 22 California Code of Regulations section 64425.
- (2) Sampling requirements. A ground water system must collect, within 24 hours of notification of the total coliform-positive sample, at least one ground water source sample from each ground water source in use at the time the total coliform-positive sample was collected under 22 California Code of Regulations sections 64422 and 64423, except as provided in paragraph (a)(2)(ii) of this section.
- (i) The State may extend the 24-hour time limit on a case-by-case basis if the system cannot collect the ground water source water sample within 24 hours due to circumstances beyond its control. In the case of an extension, the State must specify how much time the system has to collect the sample.
- (ii) If approved by the State, systems with more than one ground water source may meet the requirements of this paragraph (a)(2) by sampling a representative ground water source or sources. If directed by the State, systems must submit for State approval a triggered source water monitoring plan that identifies one or more ground water sources

that are representative of each monitoring site in the system's sample siting plan under 22 California Code of Regulations sections 64422 and 64423 and that the system intends to use for representative sampling under this

paragraph.

(iii) A ground water system serving 1,000 people or fewer may use a repeat sample collected from a ground water source to meet both the requirements of 22 California Code of Regulations section 64424 and to satisfy the monitoring requirements of paragraph (a)(2) of this section for that ground water source only if the State approves the use of *E. coli* as a fecal indicator for source water monitoring under this paragraph (a). If the repeat sample collected from the ground water source is *E.coli* positive, the system must comply with paragraph (a)(3) of this section.

# Section 64463.1 (Tier 1 Public Notice) states in relevant part:

(a) A water system shall give public notice pursuant to this section and section 64465 if any of the following occurs:

(1) Violation of the total coliform MCL when:

(A) Fecal coliform or E. coli are present in the distribution system; or

(B) When any repeat sample tests positive for coliform and the water system fails to test for fecal coliforms or

E. coli in the repeat sample;...

(b) As soon as possible within 24 hours after learning of any of the violations in subsection (a) or being notified by the State Board that it has determined there is a potential for adverse effects on human health [pursuant to paragraph (a)(4), (5), or (6)], the water system shall:

(1) Give public notice pursuant to this section;

(2) Initiate consultation with the State Board within the same timeframe; and

- (3) Comply with any additional public notice requirements that are determined by the consultation to be necessary to protect public health.
- (c) A water system shall deliver the public notice in a manner designed to reach residential, transient, and nontransient users of the water system and shall use, as a minimum, one of the following forms:

(1) Radio or television;

(2) Posting in conspicuous locations throughout the area served by the water system;

(3) Hand delivery to persons served by the water system; or

(4) Other method approved by the State Board, based on the method's ability to inform water system users.

#### Section 64463.4 (Tier 2 Public Notice) states:

(a) A water system shall give public notice pursuant to this section if any of the following occurs:

(1) Any violation of the MCL, MRDL, and treatment technique requirements; except:

(A) Where a Tier 1 public notice is required under section 64463.1; or

(B) Where the State Board determines that a Tier 1 public notice is required, based on potential

health impacts and persistence of the violations;

- (2) All violations of the monitoring and testing procedure requirements in sections 64421 through 64426.1, article 3 (Primary Standards Bacteriological Quality), for which the State Board determines that a Tier 2 rather than a Tier 3 public notice is required, based on potential health impacts and persistence of the violations:
- (3) Other violations of the monitoring and testing procedure requirements in this chapter, and chapters 15.5, 17 and 17.5, for which the State Board determines that a Tier 2 rather than a Tier 3 public notice is required, based on potential health impacts and persistence of the violations; or

(4) Failure to comply with the terms and conditions of any variance or exemption in place.

(b) A water system shall give the notice as soon as possible within 30 days after it learns of a violation or occurrence specified in subsection (a), except that the water system may request an extension of up to 60 days for providing the notice. This extension would be subject to the State Board's written approval based on the violation or occurrence having been resolved and the State Board's determination that public health and welfare would in no way be adversely affected. In addition, the water system shall:

(1) Maintain posted notices in place for as long as the violation or occurrence continues, but in no case less

han seven davs:

(2) Repeat the notice every three months as long as the violation or occurrence continues. Subject to the State Board's written approval based on its determination that public health would in no way be adversely affected, the water system may be allowed to notice less frequently but in no case less than once per year. No allowance for reduced frequency of notice shall be given in the case of a total coliform MCL violation or violation of a Chapter 17 treatment technique requirement; and

(3) For turbidity violations pursuant to sections 64652.5(c)(2) and 64653(c), (d) and (f), as applicable, a water system shall consult with the State Board as soon as possible within 24 hours after the water system learns of the violation to determine whether a Tier 1 public notice is required. If consultation does not take place within

24 hours, the water system shall give Tier 1 public notice within 48 hours after learning of the violation. (c) A water system shall deliver the notice, in a manner designed to reach persons served, within the required time period as follows:

(1) Unless otherwise directed by the State Board in writing based on its assessment of the violation or occurrence and the potential for adverse effects on public health and welfare, community water systems shall give public notice by:

(A) Mail or direct delivery to each customer receiving a bill including those that provide their drinking water to others (e.g., schools or school systems, apartment building owners, or large private employers), and other service connections to which water is delivered by the water system; and

(B) Use of one or more of the following methods to reach persons not likely to be reached by a mailing or direct delivery (renters, university students, nursing home patients, prison inmates, etc.):

1. Publication in a local newspaper;

2. Posting in conspicuous public places served by the water system, or on the Internet; or

3. Delivery to community organizations.

(2) Unless otherwise directed by the State Board in writing based on its assessment of the violation or occurrence and the potential for adverse effects on public health and welfare, noncommunity water systems shall give the public notice by:

(A) Posting in conspicuous locations throughout the area served by the water system; and

- (B) Using one or more of the following methods to reach persons not likely to be reached by a public postina:
  - 1. Publication in a local newspaper or newsletter distributed to customers:

2. E-mail message to employees or students;

3. Posting on the Internet or intranet; or

4. Direct delivery to each customer.

# Section 64465 (Public Notice Content and Format) states in relevant part:

(a) Each public notice given pursuant to this article, except Tier 3 public notices for variances and exemptions pursuant to subsection (b), shall contain the following:

(1) A description of the violation or occurrence, including the contaminant(s) of concern, and (as applicable) the contaminant level(s);

(2) The date(s) of the violation or occurrence:

- (3) Any potential adverse health effects from the violation or occurrence, including the appropriate standard health effects language from appendices 64465-A through G;
- (4) The population at risk, including subpopulations particularly vulnerable if exposed to the contaminant in drinking water:

(5) Whether alternative water supplies should be used:

(6) What actions consumers should take, including when they should seek medical help, if known;

(7) What the water system is doing to correct the violation or occurrence;

(8) When the water system expects to return to compliance or resolve the occurrence;

(9) The name, business address, and phone number of the water system owner, operator, or designee of the water system as a source of additional information concerning the public notice;

(10) A statement to encourage the public notice recipient to distribute the public notice to other persons served, using the following standard language: -Please share this information with all the other people who drink this water, especially those who may not have received this public notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this public notice in a public place or distributing copies by hand or mail; and

(11) For a water system with a monitoring and testing procedure violation, this language shall be included: "We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not your drinking water meets health standards. During [compliance period dates], we ['did not monitor or test' or 'did not complete all monitoring or testing'] for [contaminant(s)], and therefore, cannot be sure of the quality of your drinking water during that time." ...

(c) A public water system providing notice pursuant to this article shall comply with the following multilingual-related requirements:

(2) For a Tier 2 or Tier 3 public notice:

(A) The notice shall contain information in Spanish regarding the importance of the notice, or contain a telephone number or address where Spanish-speaking residents may contact the public water system to obtain a translated copy of the notice or assistance in Spanish; and

(B) When a non-English speaking group other than Spanish-speaking exceeds 1,000 residents or 10

percent of the residents served by the public water system, the notice shall include:

- 1. Information in the appropriate language(s) regarding the importance of the notice; or 2. A telephone number or address where such residents may contact the public water system to obtain a translated copy of the notice or assistance in the appropriate language;
- (3) For a public water system subject to the Dymally-Alatorre Bilingual Services Act, Chapter 17.5, Division 7, of the Government Code (commencing with section 7290), meeting the requirements of this Article may not ensure compliance with the Dymally-Alatorre Bilingual Services Act.

(d) Each public notice given pursuant to this article shall:

(1) Be displayed such that it catches people's attention when printed or posted and be formatted in such a way that the message in the public notice can be understood at the eighth-grade level;

(2) Not contain technical language beyond an eighth-grade level or print smaller than 12 point; and

(3) Not contain language that minimizes or contradicts the information being given in the public notice.

# Appendix 64465-A. Health Effects Language - Microbiological Contaminants.

Total Coliform   Coliforms are bacteria that are naturally present in the environment a	and are used as an

Citation No 03\_19\_18C\_014

Contaminant	Health Effects Language
	indicator that other, potentially-harmful, bacteria may be present. Coliform's were found in more samples than allowed and this was a warning of potential problems.
Fecal coliform/E. coli	Fecal coliforms and E. coli are bacteria whose presence indicates that the water may be contaminated with human or animal wastes. Microbes in these wastes can cause short-term effects, such as diarrhea, cramps, nausea, headaches, or other symptoms. They may pose a special health risk for infants, young children, some of the elderly, and people with severely compromised immune systems.
Turbidity	Turbidity has no health effects. However, high levels of turbidity can interfere with disinfection and provide a medium for microbial growth. Turbidity may indicate the presence of disease-causing organisms. These organisms include bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea, and associated headaches.

Section 64469 (Reporting Requirements) states in relevant part:

(d) Within 10 days of giving initial or repeat public notice pursuant to Article 18 of this Chapter, except for notice given under section 64463.7(d), each water system shall submit a certification to the State Board that it has done so, along with a representative copy of each type of public notice given.

Section 64481 (Content of the Consumer Confidence Report) states in relevant part:

(g) For the year covered by the report, the Consumer Confidence Report shall note any violations of paragraphs (1) through (7) and give related information, including any potential adverse health effects, and the steps the system has taken to correct the violation.

(1) Monitoring and reporting of compliance data.

]

# **APPENDIX 2. NOTIFICATION TEMPLATE**

# IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Este informe contiene información muy importante sobre su agua potable. Tradúzcalo o hable con alguien que lo entienda bien.

# Bacteriological Monitoring and Reporting Requirements Not Met for One Forty Eight East Water System during January 2018

Our Water System recently violated a drinking water standard. Although this is not an emergency, as our customers, you have a right to know what happened, what you should do, and what we did to correct the situation. Please share this information with other people who drink this water, especially those who may not have received this notice directly. You can do this by posting this notice in a public place and by giving out copies by hand or mail.

#### What happened?

We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. **During January, 2018, we failed to collect a routine sample for the month** and did not meet all monitoring or reporting requirements for bacteria; and therefore, cannot be sure of the quality of our drinking water during that time. Routine bacteriological sampling occurred on February 22, 2018, and the result was negative for total coliform bacteria. The Water System is scheduled to collect one routine sample in March 2018.

#### What should I do?

- There is nothing you need to do at this time.
- The table below lists the contaminant we did not properly test for during the month of January 2018, how
  many samples we are required to take and how often, how many samples we took, when samples
  should have been taken, and the date on which follow-up samples were (or will be) taken.

Contaminant	Required sampling frequency	Number of samples taken	When all samples should have been taken	When samples were taken
Total Coliforms	1 Sample from the distribution system each month	0	January 2018	February 22, 2018

 If you have health issues concerning the consumption of this water, you may wish to consult your doctor.

This notification of the public is being done in compliance with the California Code of Regulations, Title 22, Section 64463.4, as a means of keeping the public informed.

Persons wishing more information should contact Michael Martin, Vice President, One Forty Eight East Water System at P.O. Box 1390, Inyokern, CA 93527 or via phone at (760) 377-5695.

υa	te	Dis	tribu	ted	&	Н	'0S	ted:	d:

#### **APPENDIX 3. COMPLIANCE CERTIFICATION**

# (Include a Copy of Public Notice with the Compliance Certification Form)

This form, when completed and returned to the Division of Drinking Water – Tehachapi District (4925 Commerce Drive, Suite 120, Bakersfield, CA 93309 or fax to 661-335-7316 or via email: dwpdist19@waterboards.ca.gov), serves as certification that public notification to water users was completed as required by Title 22, California Code of Regulations, Sections 64463-64465.

Public Wa	ter Systen	n Name: One Forty Eight East Water System	
Public Wa	ter Systen	n No.:1503684	
		or failure to comply with the bacteriological monitoring requirements erformed by the following method(s) (check and complete those that apply):	<u>s for</u>
	The notice	was mailed to users on:A copy of the notice is attached.	
	The notice	was hand delivered to water customers on:  A copy of the notice is attached.	
	The notice	was published in the local newspaper on:  A copy of the newspaper notice is attached.	
	The notice	was posted at conspicuous places on:  A copy of the notice is attached.  A list of locations the notice was posted is attached.	
		was delivered to community organizations on:  A copy of the notice is attached.  A list of community organizations the notice was delivered to is attached.	
i hereb	y certify tha	at the above information is factual.	
		Printed Name	
		Title	
•		Signature	
		Date	

**Disclosure:** Be advised that Section 116725 and 116730 of the California Health and Safety Code state that any person who knowingly makes any false statement on any report or document submitted for the purpose of compliance with the attached order may be liable for a civil penalty not to exceed five thousand dollars (\$5,000) for separate violation each day that the violation continues. In addition, the violators may be prosecuted in criminal court and, upon conviction, be punished by a fine of not more than \$25,000 for each day of violation, or be imprisoned in the county jail not to exceed one year, or by both the fine and imprisonment.

Due to the Division of Drinking Water within 10 days of issuance of notice to customers and no later than March 29, 2018

Enforcement Action No. 03-19-18C-014